

PLQIMP Suggested Specification & Configuration

1. **SERIES: (XXXXXX)**
PLQIMP - Square Plaque-Style Ceiling Diffuser with Integrated Multi-port Ring
2. **NECK: (XX)**
6"
8"
10"
12"
14"
3. **FRAME STYLE: (XXX)**
F23 - Lay-in T-Bar
F22 - Surface Mount
F24 - Snap-in T-Bar
F98 - Narrow-T
4. **PANEL: (XX)x(XX)**
24"x24"
5. **DAMPER: (XX)**
00 - No Damper
03 - PR10
04 - PRD10 *
06 - PR12 *
08 - PRN100
6. **ACCESSORIES: (XX)**
00 - No Accessories
R - Round Straightening Grid
IB - Insulated Backpan
7. **FINISH: (XX)**
01 - Mill
10 - Alumican
35 - Black
44 - British White

* PR12 and PRD10 are provided with a #35 Black finish.

PLQIMP

The architectural square panel ceiling diffusers of the sizes and mounting types shown on the plans or outlet schedule shall be the Krueger model PLQIMP. The PLQIMP shall incorporate an integrated multi-port diffusion ring to increase localized room air mixing. The PLQIMP shall have a one piece square face plaque not exceeding 18"x18" for 24"x24" panel size and be constructed of 16 gage steel with rounded corners that have a minimum radius of 3/4". Face plaques that have a secondary wrapper or a plastic diffusion ring are not acceptable. The face plaque shall not extend below the ceiling more than 3/8" and shall be removable from the backpan for access to the optional damper. The diffuser backpan shall be one piece stamped construction of 22 gage steel and have an integrally drawn round neck.

Diffusers must discharge in the horizontal plane of the room.

Optional duct or neck mounted round damper shall be constructed of heavy gage steel. Damper shall be operable from the face of the diffuser.

PERFORMANCE

The manufacturer shall provide published performance data for the diffuser, including 2 thru 7 Octave Band data. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

SAMPLE CONFIGURATION: PLQIMP – 10 – F23 – 24x24 – 00 – 00 – 00 – 44